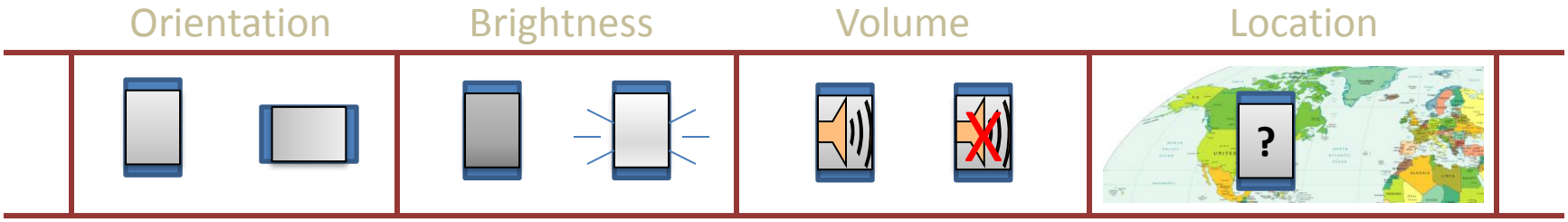
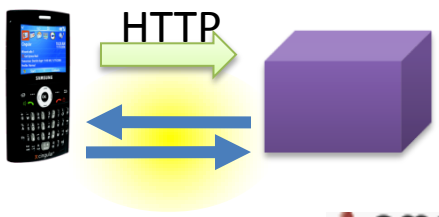
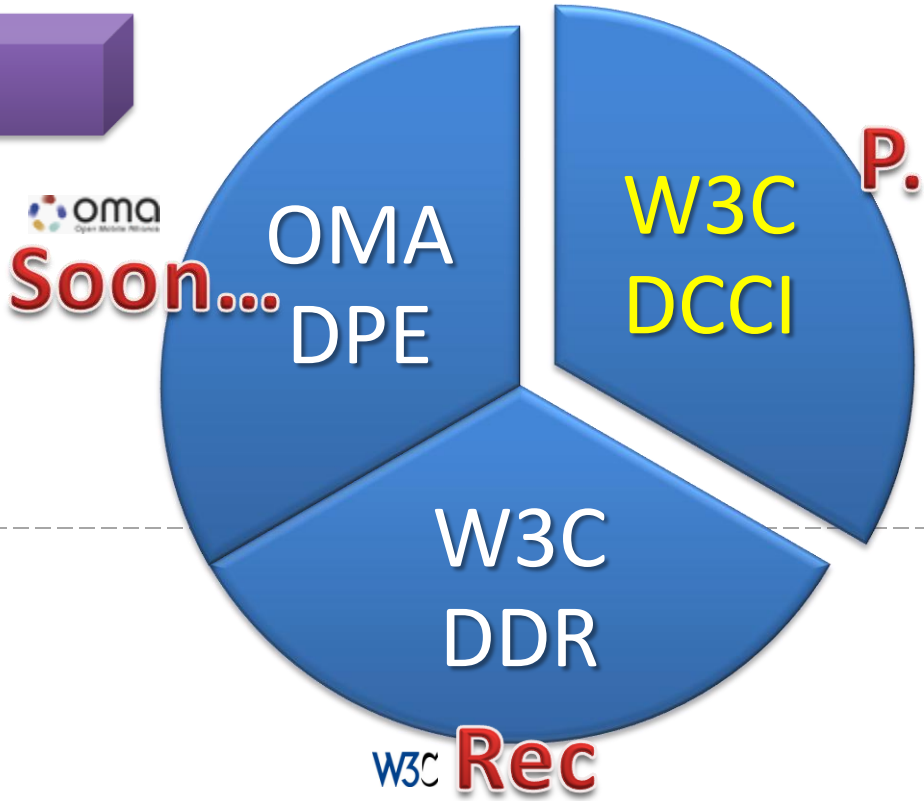




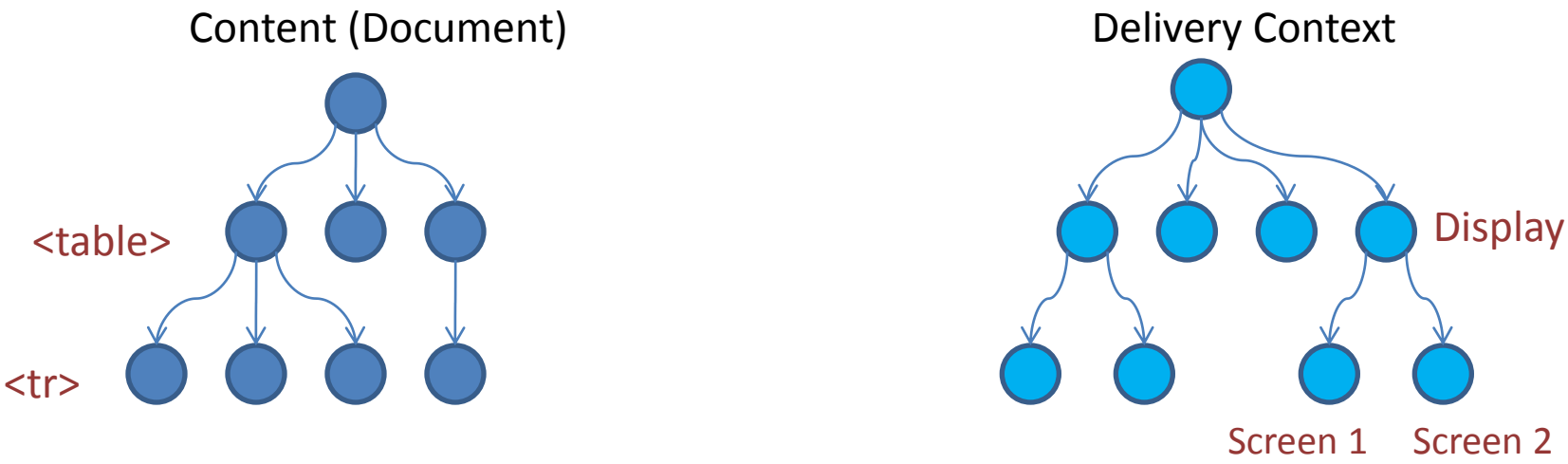


Delivery Context
Client Interface

Dynamic
Static

DCCI

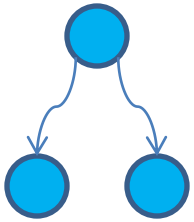
- A uniform model for access to the delivery context
- Model is derived from DOM-like interfaces
- A "context DOM tree" parallel to the "content DOM"
- Has FULL DOM event support
- Semantics defined separately in an ontology doc
- Supports dynamic values, topologies, metadata
- Expected that DCCI might benefit from existing DOM technologies, tool support, libraries, techniques etc.



DCCI

- Proposed Rec since December 2008
- Compliant implementations:
  - Nokia
  - France Telecom
- Since then, the status has remained the same due to certain *concerns* raised by industry
- Review of DCCI by UWA WG commenced in 2H 2009
- Observations:
  - **Too dependent on DOM**
  - **Heavy** – most interfaces/methods not needed, or inappropriate
  - **DOM event is heavy** for use within a simple context model
- Deficiencies/Omissions:
  - **Support for data provider** nodes (emphasis was on consumers)
  - Support for **external properties, storage and retrieval**
  - Means of **extending standard interfaces**
  - **Security Model**

DOM?



- DOM interface: established & familiar
  - **But** developer feedback suggests that representing context as a DOM is counter-intuitive and confusing.
  - Most methods were merely stubs!
- Conclusion
  - Don’t try to fit square peg into round hole
  - Separate into different interfaces
    - E.g. Model, Property, Collection, Metadata etc.
  - Consider alignment with DDR interface
    - Vocabulary, Property, Aspect

Next

- We solicit participation from industry to work on a next generation leaner, lightweight model
- Uniform interfaces with extension support for properties, a security model, lighter event and propagation schemes
- First draft for discussion is available within UWA DCCI requirements wiki
  - http://www.w3.org/2007/uwa/wiki/DCCI_Use_Cases_and_Requirements